

Product Data Sheet

Kapton Tape, Silicone Adhesive, 2.5 mil



- Offers outstanding thermal resistance
- Provides excellent electrical insulating properties

Product Information

Polyimide backing and silicone adhesive offers outstanding thermal resistance and excellent electrical insulating properties. This tape is used where toughness, puncture resistance, extreme resistance to heat, and flame retardance are required.

Used on gold fingers for protection in wave soldering. It is also used as a ground barrier and phase insulation in high performance coils. Also as an outer wrap on small bobbin wound coils and on foam wound coils for traction motors.

Technical Details	Typical Values	Test Method
Total Thickness	2.5 mil	ASTM D-3652
Backing Thickness	1.0 mil	ASTM D-3652
Adhesion to Steel	25 oz/inch	ASTM D-3330
Tensile Strength	30 lb/inch	ASTM D-3759
Elongation	>55%	ASTM D-3759
Dielectric Strength	6,500 volts	ASTM D-149
Insulation Resistance	1,000,000 mega ohms	
Operating Temp. Range	-100° to 500°F	
Electrolytic Corrosion	1	
Adhesive	Silicone	

Compliance

UL File #: E 244657

Mil-P-46112B/ ASTM D 5213, Type 1, Item A

RoHs/REACH Compliant: This Product complies with the European Union’s “Restriction of Hazardous Substances” (RoHs)initiative and European REACH Regulation.

Packaging

758ST158	5/8" x 72 Yds, 3" core, 2.5 mil
TNP100184	3/4" x 72 Yds, 3" core, 2.5 mil
758ST778	7/8" x 72 Yds, 3" core, 2.5 mil
TNP100183	1" x 72 Yds, 3" core, 2.5 mil
TNP100185	1/2" x 72 Yds, 3" core, 2.5 mil
487-542	5/16" x 36 Yds, 3" core, 2.5 mil
424-194	1-1/4" x 36 Yds, 3" core, 2.5 mil
706PR150	1-1/2" x 36 Yds, 3" core, 2.5 mil
437-393	1/16" x 36 Yds, 3" core, 2.5 mil
487-544	1/2" x 36 Yds, 3" core, 2.5 mil
706ST050	1/2" x 36 Yds, 3" core, 2.5 mil
706ST026	1/4" x 36 Yds, 3" core, 2.5 mil
706ST2225	1/8" x 36 Yds, 3" core, 2.5 mil

10021267	1" x 36 Yds, 3" core, 2.5 mil
758ST888	1/8" x 72 Yds, 3" core, 2.5 mil
758ST3261	2" x 72 Yds, 3" core, 2.5 mil
TST-22-2000	2" x 36 Yds, 3" core, 2.5 mil
TST-22-3000	3" x 36 Yds, 3" core, 2.5 mil
591-681	3/16" x 36 Yds, 3" core, 2.5 mil
247ST4000	4" x 36 Yds, 3" core, 2.5 mil
599-001	4-1/2" x 36 Yds, 3" core, 2.5 mil
161-775	5" x 36 Yds, 3" core, 2.5 mil
700-113	5.2mm x 36 Yds, 3" core, 2.5 mil
700-559	8.5mm x 36 Yds, 3" core, 2.5 mil
191-888	3/8" x 36 Yds, 3" core, 2.5 mil

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